

INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/GB2005/000752

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D277/56 C07D307/68 C07D213/73 C07D333/38 C07D207/34
C07D233/90 C07D487/04 C07D417/12 C07D417/14 C07D405/14
C07D401/14 C07D409/14 C07D403/14 A61K31/427 A61K31/4025

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	A. PERJESSY ET. AL.: "Application of the Seth-Paul-Van Duyse Equation. III. Table 1" TETRAHEDRON, vol. 31, 1975, pages 2936-2939, XP002342320 table 1, compounds 32 and 41	1-5
X	H. S. ANDERSEN ET. AL.: "Discovery and SAR of a Novel Selective and Orally Bioavailable Nonpeptide Classical Competitive Inhibitor of Protein Tyrosine Phosphate 1B." JOURNAL OF MEDICINAL CHEMISTRY, vol. 45, no. 20, 2002, pages 4443-4459, XP002342321 Page 4445, Scheme 1, Table 2, compounds 61, 71 and 81	1-5
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

26 August 2005

Date of mailing of the international search report

14/09/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	R.L. DANNLEY ET. AL.: "Free Radical Aromatic Substitution. IV. The Reaction of Acyl Peroxides with Benzotrihalides." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 76, 20 September 1954 (1954-09-20), pages 4543-4545, XP009051912 page 4544, column 1, paragraph 1 - paragraph 2	1-3,5
X	M. L. QUAN ET. AL.: "Biaryl Substituted Alkylboronate Esters as Thrombin Inhibitors" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 7, no. 13, 1997, pages 1595-1600, XP002342322 page 1599, compound no. 30tables 2,4	1-5
X	Y. QIAN ET. AL.: "Design and Synthesis of Non-Peptide Ras CAAX Mimetics as Potent Farnesyltransferase Inhibitors." JOURNAL OF MEDICINAL CHEMISTRY, vol. 39, 1996, pages 217-223, XP002342323 page 219, compound 18, figure 1	1-5
X	WO 99/46244 A (NOVO NORDISK A/S) 16 September 1999 (1999-09-16) claims; examples 35,37	1-5
A	US 2002/123634 A1 (WILSON ET. AL.) 5 September 2002 (2002-09-05) page 1, paragraph 1 - page 2, paragraph 10; claims; examples	1-26
A	C.R.WOODS ET. AL.: "Synthesis and DNA Binding Properties of Iminodiacetic Acid Linked Polyamides. Characterisation of Cooperative Extended 2:1 Side-by-Side Parallel Binding." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 124, 2002, pages 10676-10682, XP009051898 cited in the application whole article	1-26
A	C. A. BRIEHN ET. AL.: "Alternative Heterocycles for DNA Recognition: The Benimidazole/Imidazole Pair." CHEMICAL EUROPEAN JOURNAL, vol. 9, 2003, pages 2110-2122, XP009051897 cited in the application Reaction Schemes 1-3 page 2112 - page 2117	1-26
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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>S. J. GREGSON ET. AL.: "Synthesis of the First Examples of A-C8/C-C2 Amide-Linked Pyrrolo'2,1-c!'1,4!benzodiazepine Dimers" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 13, no. 14, 2003, pages 2277-2280, XP002342324 page 2277, column 1 - column 2; figure 1</p>	1-26

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 25(part)
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 25 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9946244 A	16-09-1999	AU 2713799 A	27-09-1999
		AU 2713999 A	27-09-1999
		BR 9908723 A	21-11-2000
		CA 2323472 A1	16-09-1999
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		WO 9946244 A1	16-09-1999
		WO 9946237 A1	16-09-1999
		EP 1062204 A1	27-12-2000
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		HU 0102612 A2	28-11-2001
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